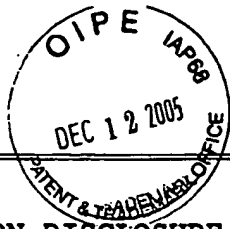


Sheet 1 of 1 (11/28/01)

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Sheet 1 of 1 (5/17/02)

Form PTO-1449

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

(Use several sheets if necessary)

ATTY DOCKET NO.  
1190-0532P

APPLICATION NO.  
09/994,761

APPLICANT  
SUGIURA, et al.

FILING DATE  
November 28, 2001

GROUP

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
SE	4,989,079	1991-01-29	Ito			
SE	5,588,050	1996-12-24	Kagawa, et al.			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
SE	JP 7170404	1995-07-04	JAPAN			ABS	

**OTHER DOCUMENTS** (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)


EXAMINER *Saeid Ebrahim*

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✓ Sheet 1 of 1

(12/16/02)

Form PTO-1449

ATTY DOCKET NO.  
1190-0532PAPPLICATION NO.  
09/994,761INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

APPLICANT  
SUGIURA, Hiroaki et alFILING DATE  
November 28, 2001GROUP  
2622

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
56	US 4,887,150	B1	1989-12-12	Chiba et al.			
	US 4,740,833	B1	1988-04-26	Shiota et al.			
	US 5,436,733	B1	1995-07-25	Terada et al.			
	US 5,933,252	B1	1999-08-03	Emori et al.			
	US 5,659,406	B1	1997-08-19	Imao et al.			
	US 6,434,268	B1	2002-08-13	Asamura et al.			
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## FOREIGN PATENT DOCUMENTS

	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
								YES	NO
	EP	1028586	A	2000-08-16	EP				
	JP	7-023245		1995-01-24	JP			Abs	
	JP	11-17974		1999-01-22	JP			Abs	
	JP	8-321964		1996-12-03	JP			Abs	
	JP	5-183742		1993-07-23	JP			Abs	
	JP	5-48885		1993-02-26	JP			Abs	
✓	JP	63-227181		1988-09-21	JP			Abs	
56	JP	2-30226		1990-07-05	JP				

## OTHER DOCUMENTS

(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.


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Saeid Edraki

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1190-0532P

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Sheet 1 of 1 (9/20/04)

<b>Form PTO-1449</b>  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)					ATTY. DOCKET NO. 1190-0532P		APPLICATION NO. 09/994,761		
					APPLICANT Hiroaki SUGIURA et al.				
					FILING DATE November 28, 2001		GROUP 2622		
<b>U.S. PATENT DOCUMENTS</b>									
EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE		
SG	US 5,255,083	A	1993-10-19	CAPITANT, et al.					
SG	US 5,349,452	A	1994-09-20	MAEDA, et al.					
SG	US 5,751,449	A	1998-05-12	NOBUTA					
SG	US 5,881,168	A	1999-03-09	TAKAOKA, et al.					
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<b>FOREIGN PATENT DOCUMENTS</b>									
	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
								YES	NO
SG	EP	0665680	A2	1995-08-02	EUROPE			X	
SG	EP	0961481	A2	1999-12-01	EUROPE			X	
<b>OTHER DOCUMENTS</b> (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) data, page(s), volume-issue number(s), publisher, city and/or country where published.)									
EXAMINER Saeid Gbrehim					DATE CONSIDERED 3/3/06				
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Sheet 1 of 1 (12/9/04)

Form PTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

ATTY. DOCKET NO.  
1190-0532PAPPLICATION NO.  
09/994,761APPLICANT  
Hiroaki SUGIURA et al.FILING DATE  
November 28, 2001GROUP  
Unassigned

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
SG	US 5,243,447		1993-09-07	Bodenkamp et al.			
SG	US 5,940,089		1999-08-17	Dilliplane et al.			
SG	US 5,987,167		1999-11-16	Inoue			
SG	US 6,421,094	B1	2002-07-16	Han			

## FOREIGN PATENT DOCUMENTS

	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
								YES	NO
SG	EP	0 837 601	A2	1998-04-22	EUROPE			X	
SG	KR	10-0244227	B1	1999-11-22	KOREA				Abs

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EXAMINER

*Scott G. Johnson*

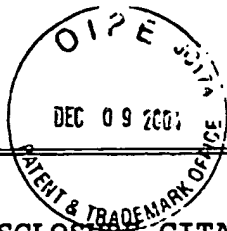
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Hiroaki SUGIURA et al.FILING DATE  
November 28, 2001GROUP  
Unassigned

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Saerul Etrokhini

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Sheet 1 of 1 (9/20/04)

Form PTO-1449

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Hiroaki SUGIURA et al.FILING DATE  
November 28, 2001GROUP  
2622**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
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SG	US 5,349,452	A	1994-09-20	MAEDA, et al.			
SG	US 5,751,449	A	1998-05-12	NOBUTA			
SG	US 5,881,168	A	1999-03-09	TAKAOKA, et al.			
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EXAMINER

Saeid Shrobin

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	US 4,740,833	B1	1988-04-26	Shiota et al.			
	US 5,436,733	B1	1995-07-25	Terada et al.			
	US 5,933,252	B1	1999-08-03	Emori et al.			
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	JP	11-17974		1999-01-22	JP			Abs	
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EXAMINER

Saeid Ebrahimi

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Form PTO-1449  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> (Use several sheets if necessary)	ATTY DOCKET NO. 1190-0532P  APPLICATION NO. New  APPLICANT SUIGIURA, Hiroaki et al.  FILING DATE November 28, 2001  GROUP
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**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
SE	6,125,202	2000-09-26	Kagawa et al.			

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
SE	B2-63-39188	1988-08-03	JP			abs	

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EXAMINER <i>Saeed Ebrahimi</i>	DATE CONSIDERED <i>3/13/06</i>
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